

FIG. 1

200A

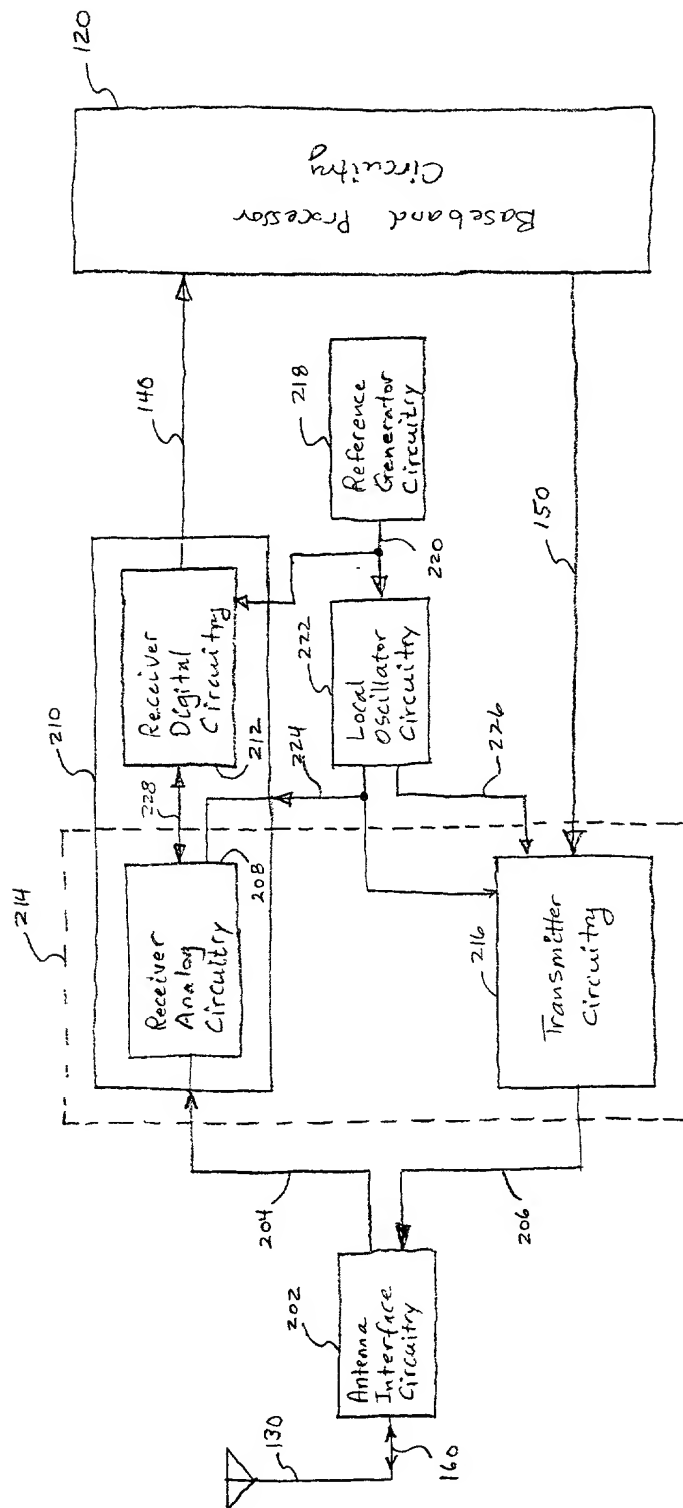


FIG. 2A

FIG. 2B

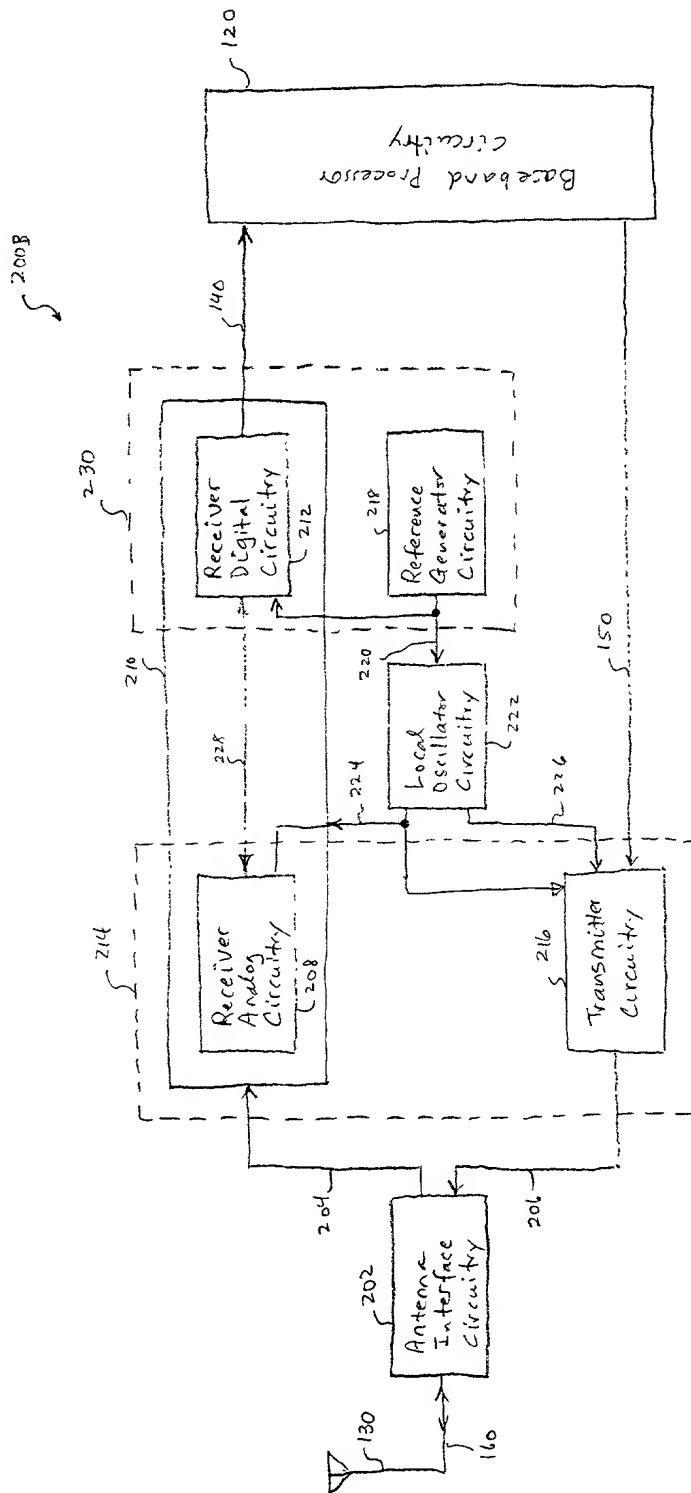


FIG. 2B

2006

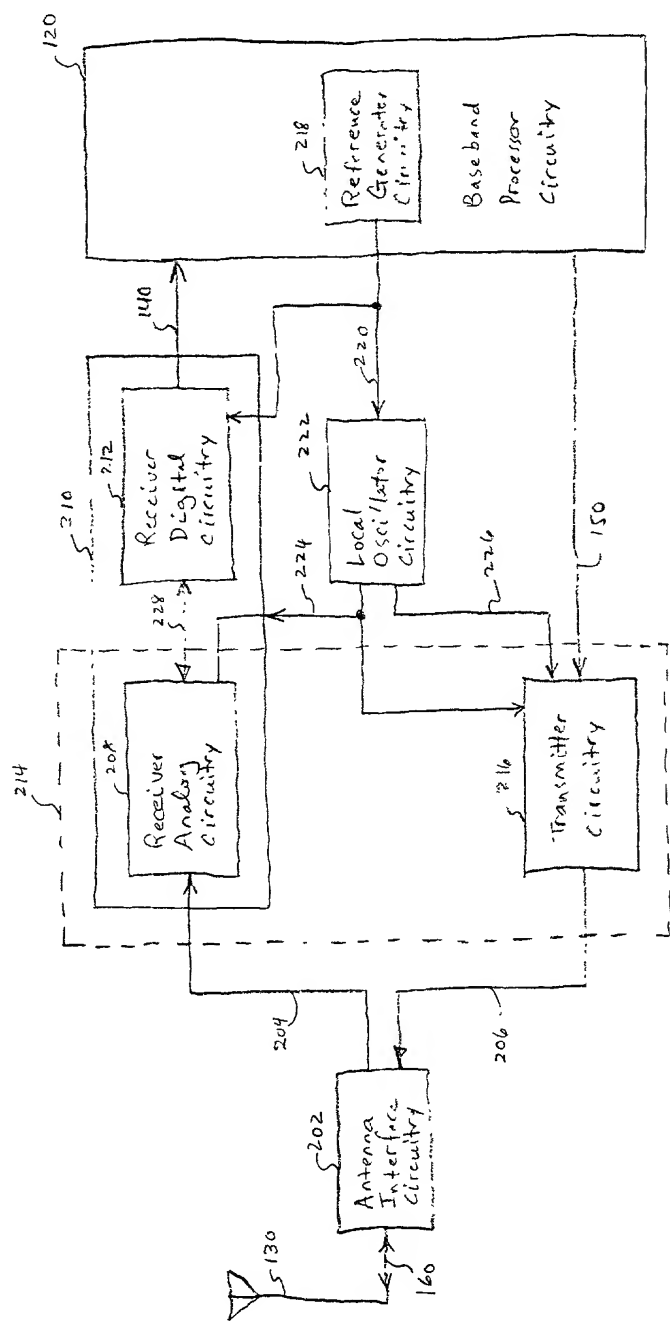


Fig. 20

FIG. 2D is a block diagram of a communication system 200D.

200D

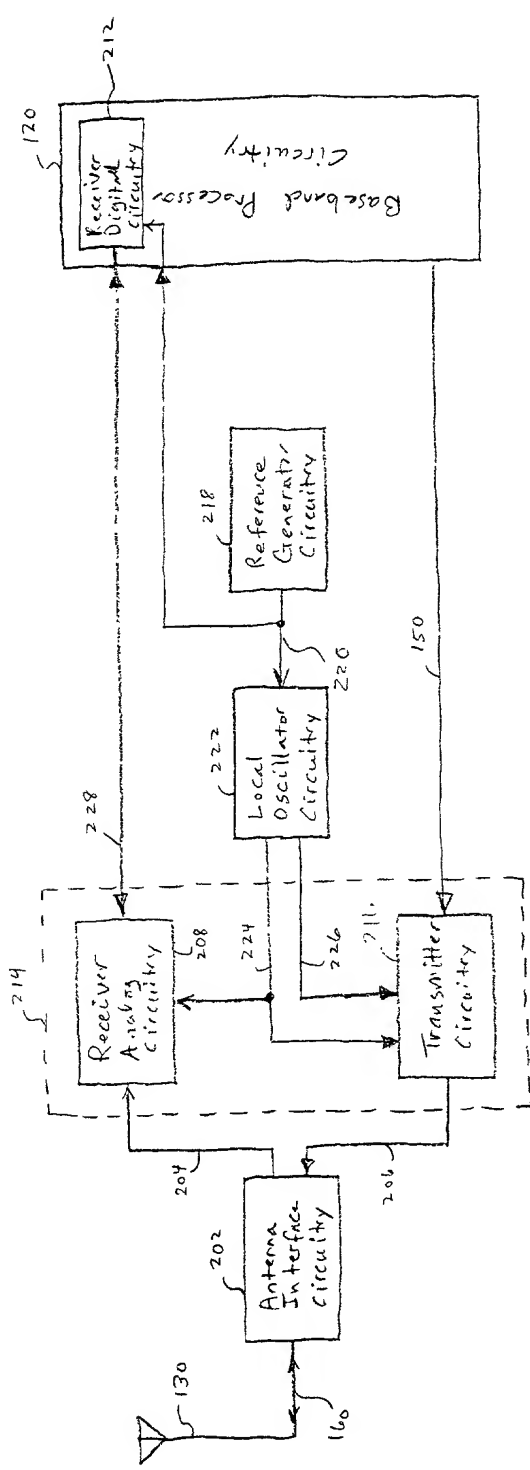


FIG. 2D

FIG. 3 is a block diagram of a communication system 300. The system 300 includes a Reference Generator Circuitry 218, a Receiver Analog Circuitry 208, a Local Oscillator Circuitry 222, a Receiver Digital Circuitry 212, and a Transmitter Circuitry 216. The Reference Generator Circuitry 218 provides a reference signal 210 to the Receiver Analog Circuitry 208 and the Local Oscillator Circuitry 222. The Receiver Analog Circuitry 208 receives a signal 212 and provides a signal 214 to the Receiver Digital Circuitry 212. The Local Oscillator Circuitry 222 provides a signal 216 to the Receiver Analog Circuitry 208 and the Transmitter Circuitry 216. The Transmitter Circuitry 216 provides a signal 218 to the Receiver Analog Circuitry 208. The Receiver Analog Circuitry 208 and the Local Oscillator Circuitry 222 are connected by an Interference 370. The Local Oscillator Circuitry 222 and the Transmitter Circuitry 216 are connected by an Interference 330. The Reference Generator Circuitry 218 and the Receiver Analog Circuitry 208 are connected by an Interference 350. The Reference Generator Circuitry 218 and the Local Oscillator Circuitry 222 are connected by an Interference 340. The Receiver Analog Circuitry 208 and the Receiver Digital Circuitry 212 are connected by an Interference 310. The Receiver Digital Circuitry 212 and the Transmitter Circuitry 216 are connected by an Interference 320.

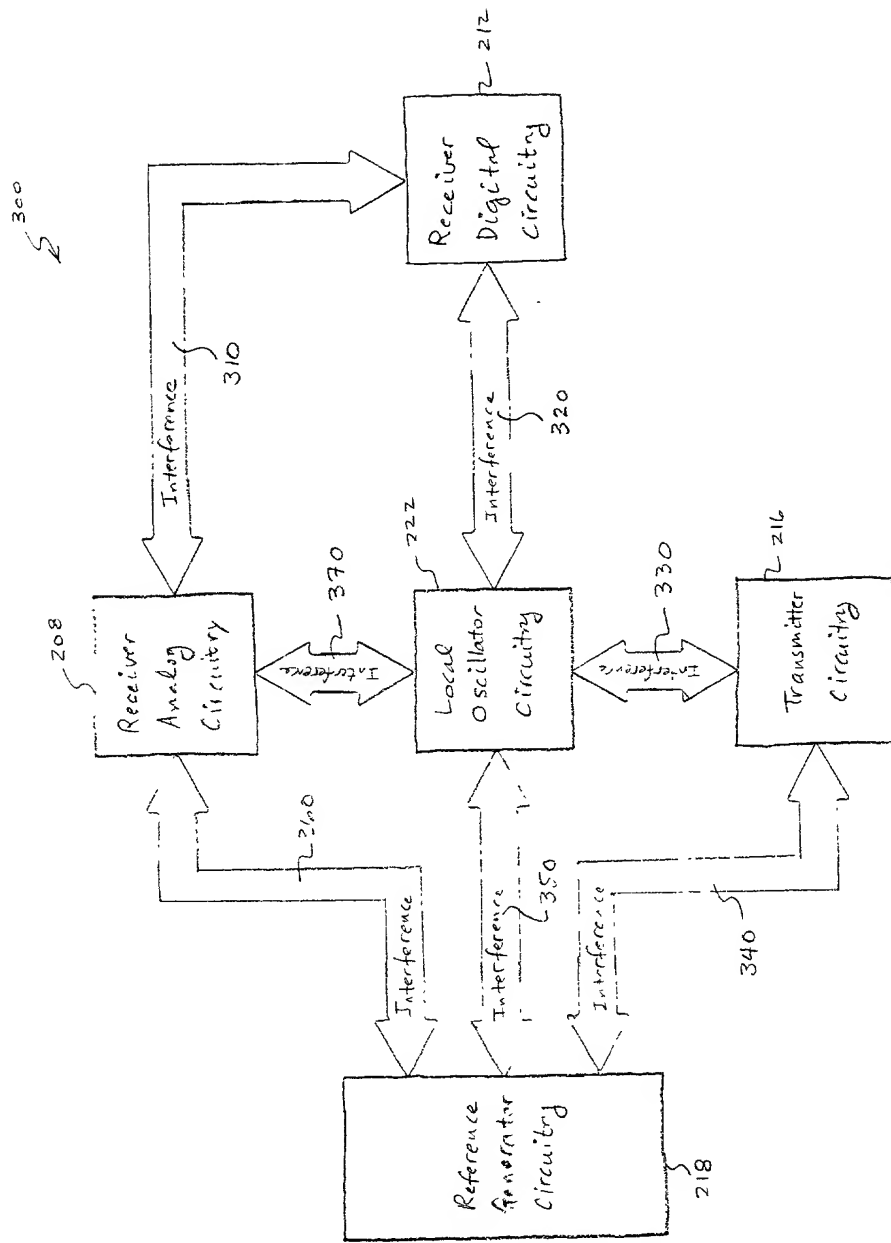


FIG. 3

400

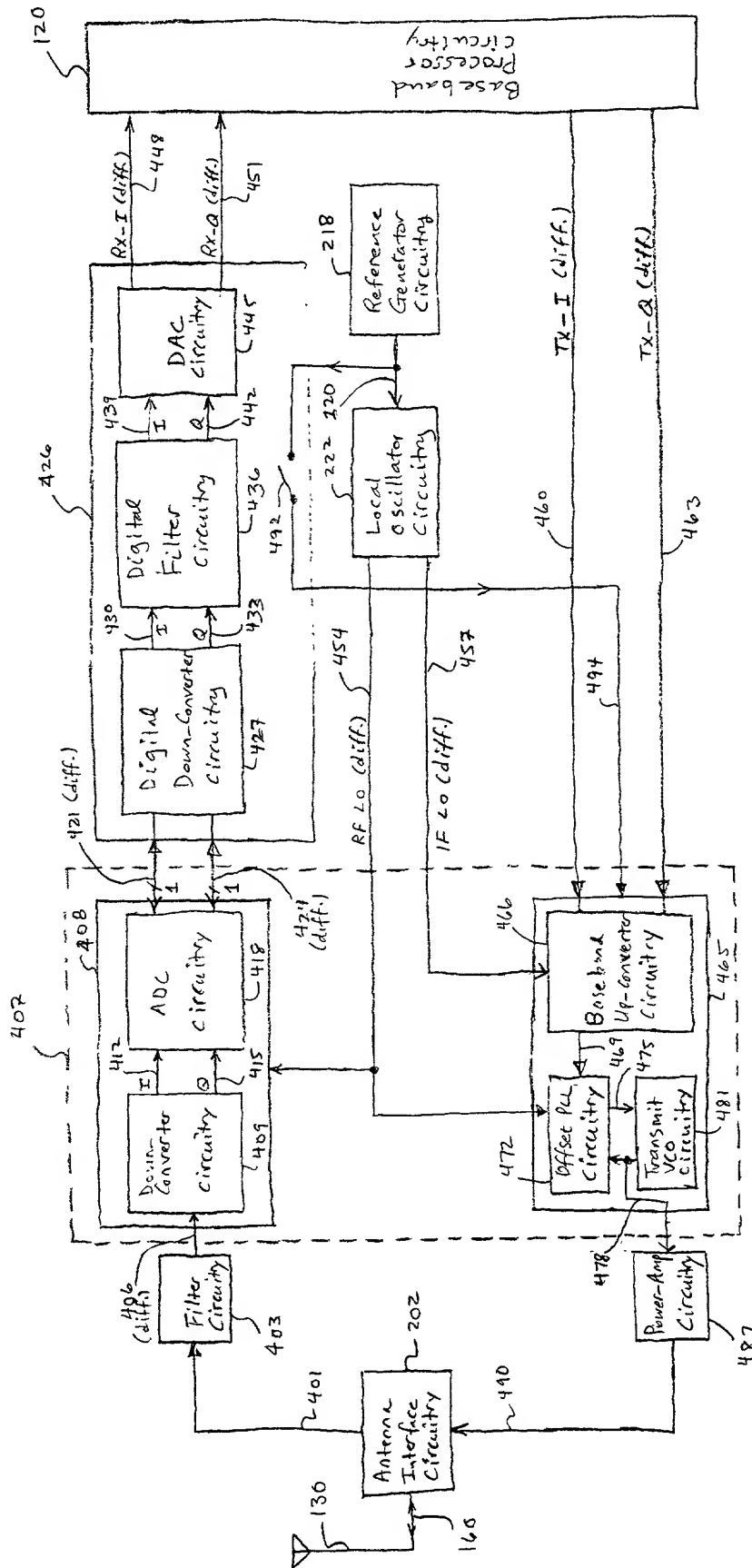


FIG. 4

500

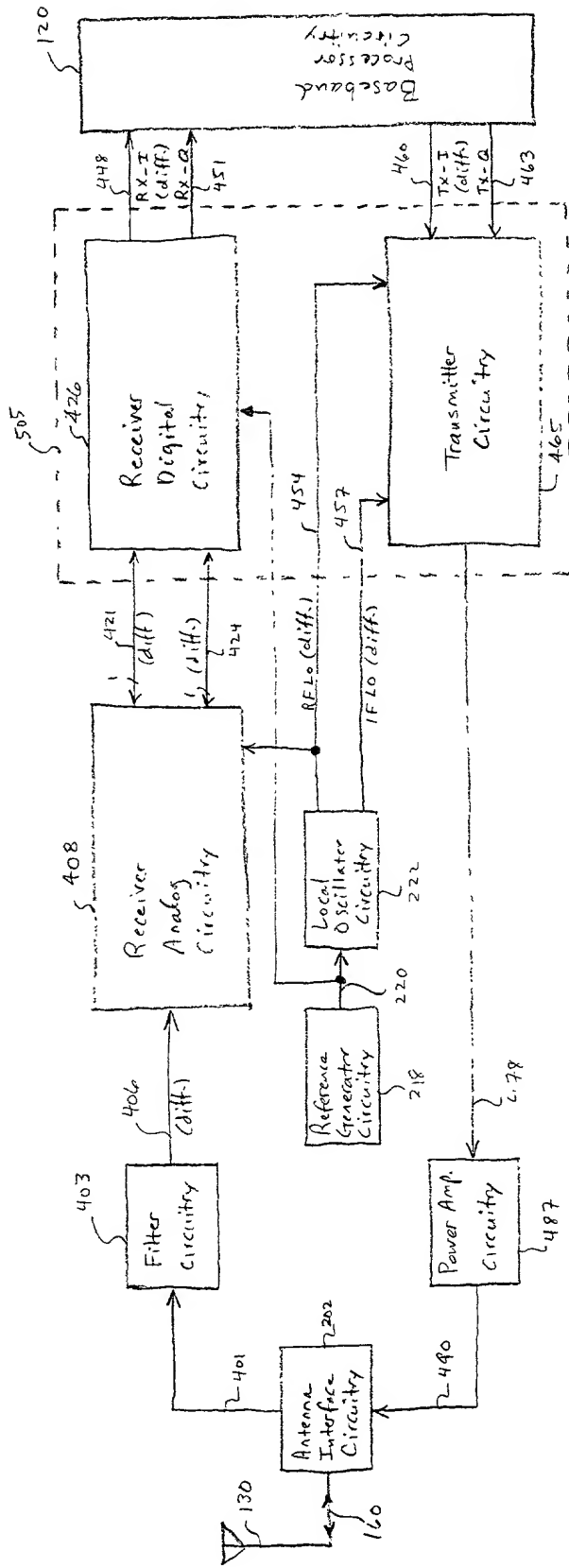


FIG. 5



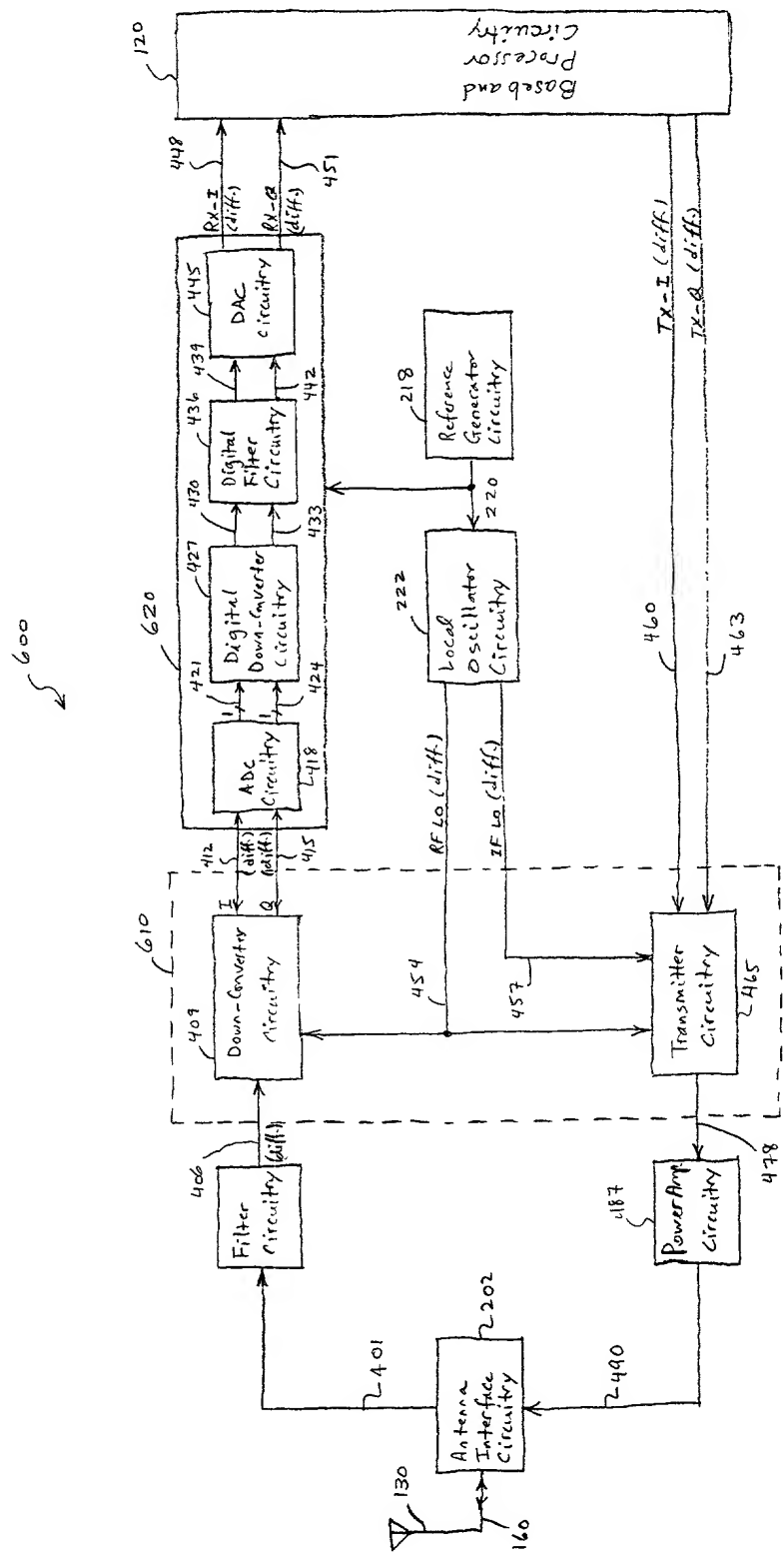


FIG. 6

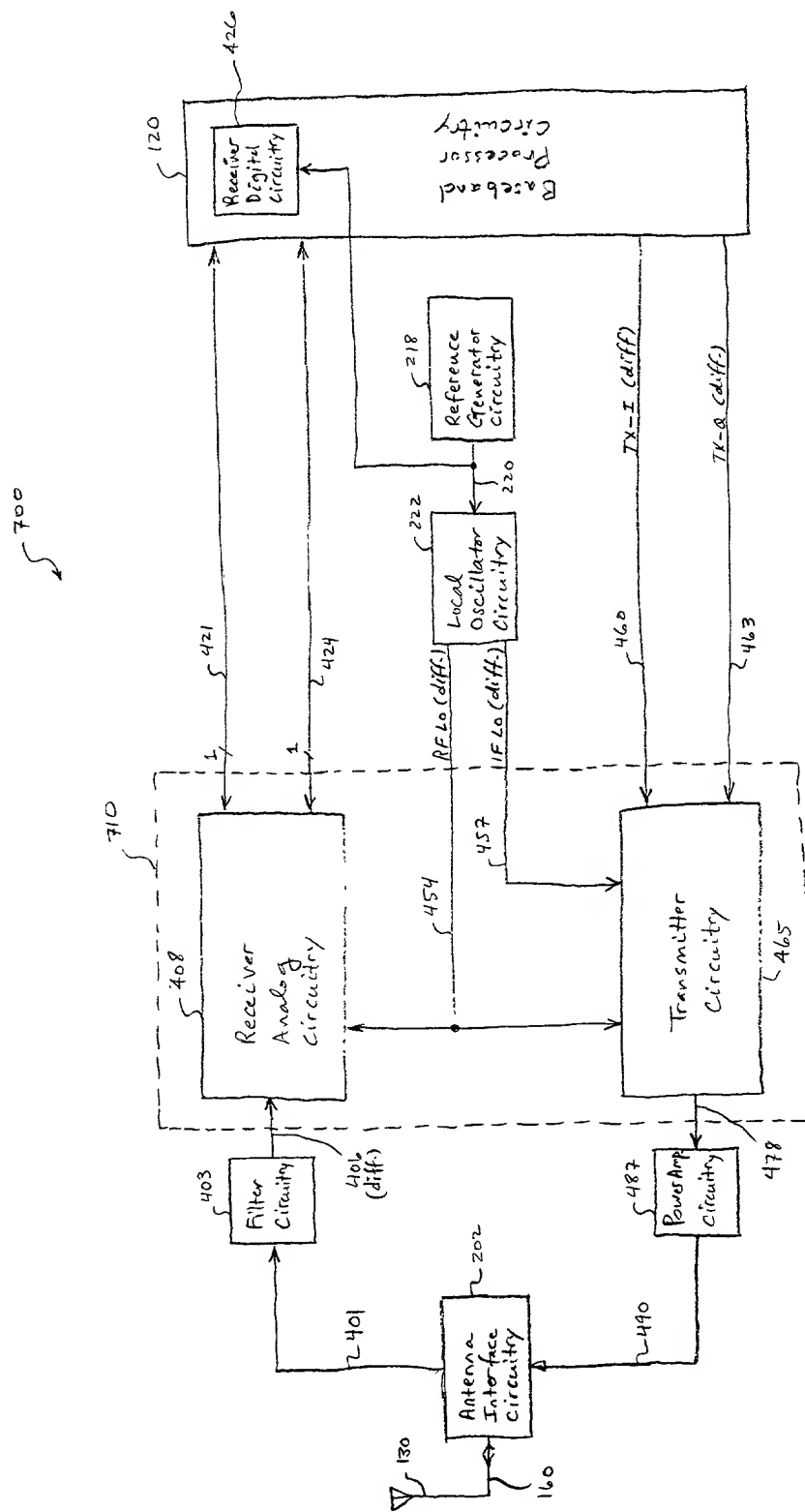


FIG. 7

800

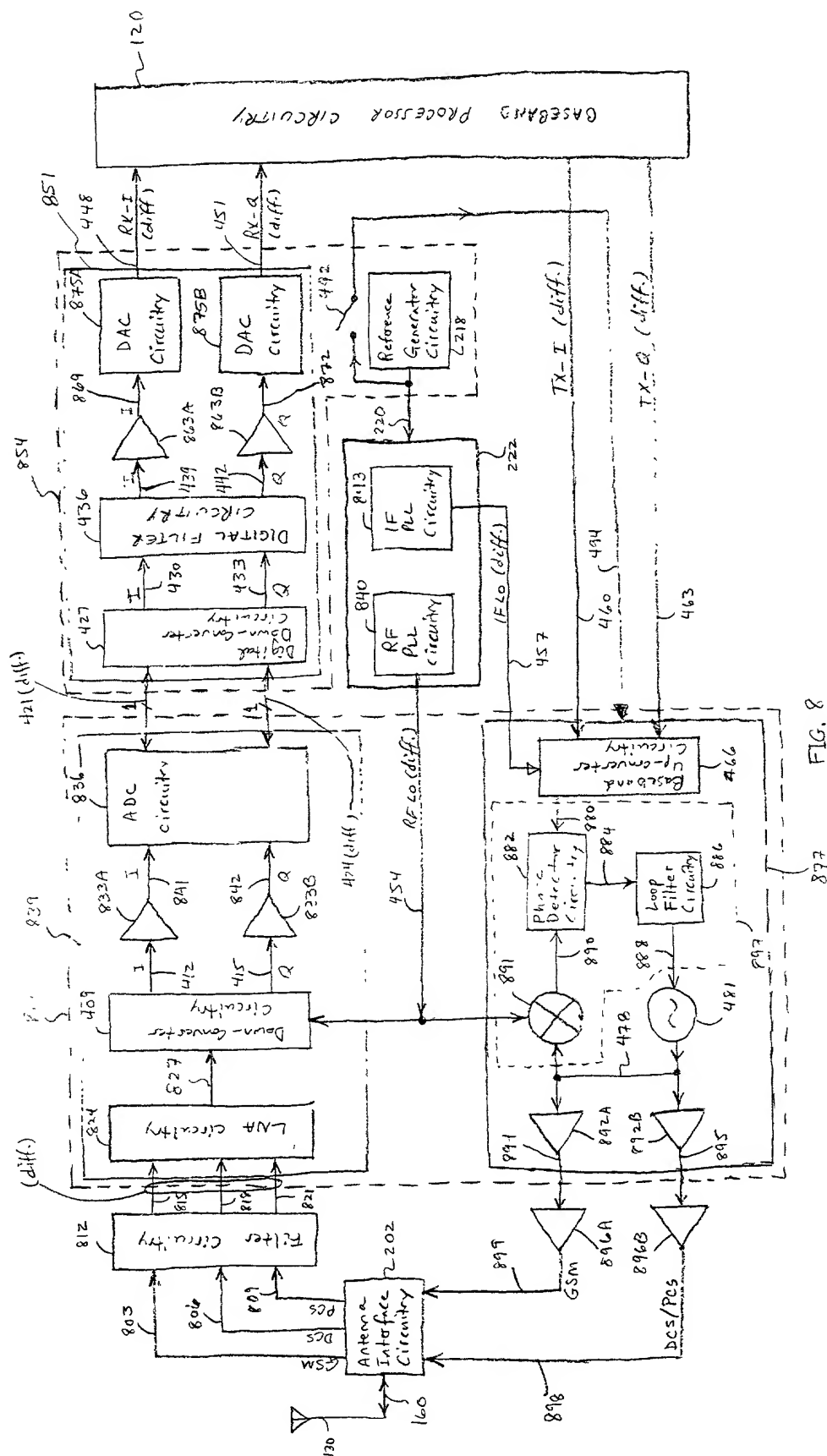


FIG. 8

FIG. 9A

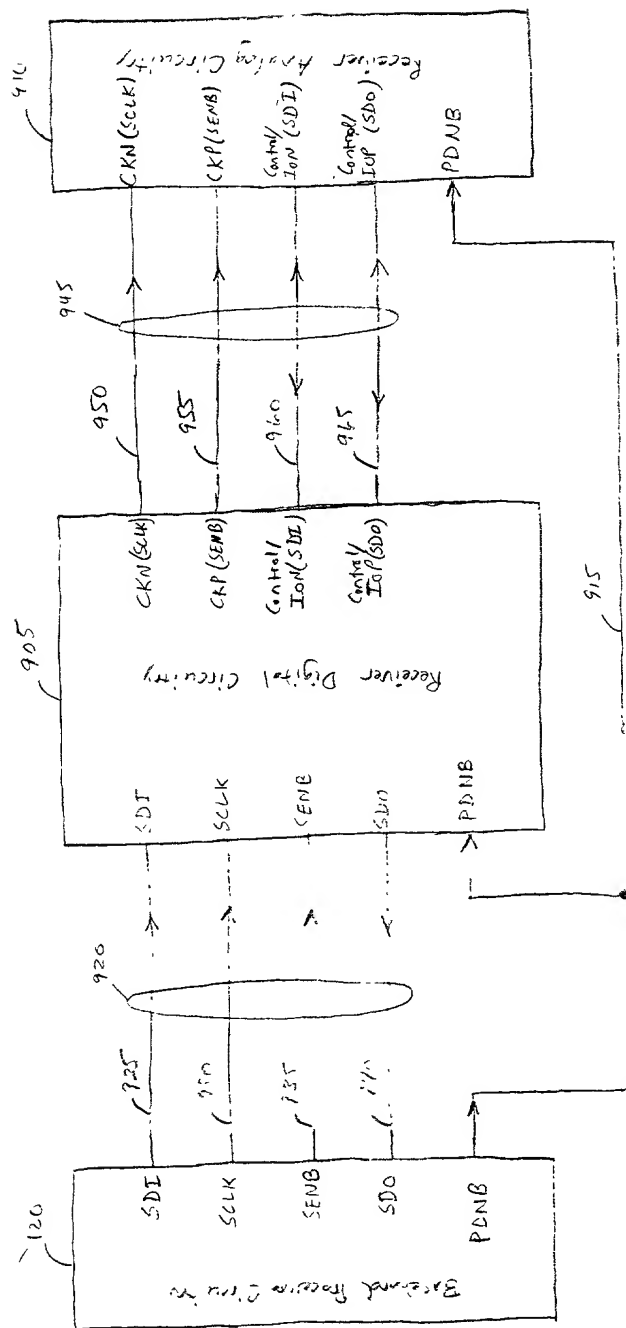


FIG. 9A



1000

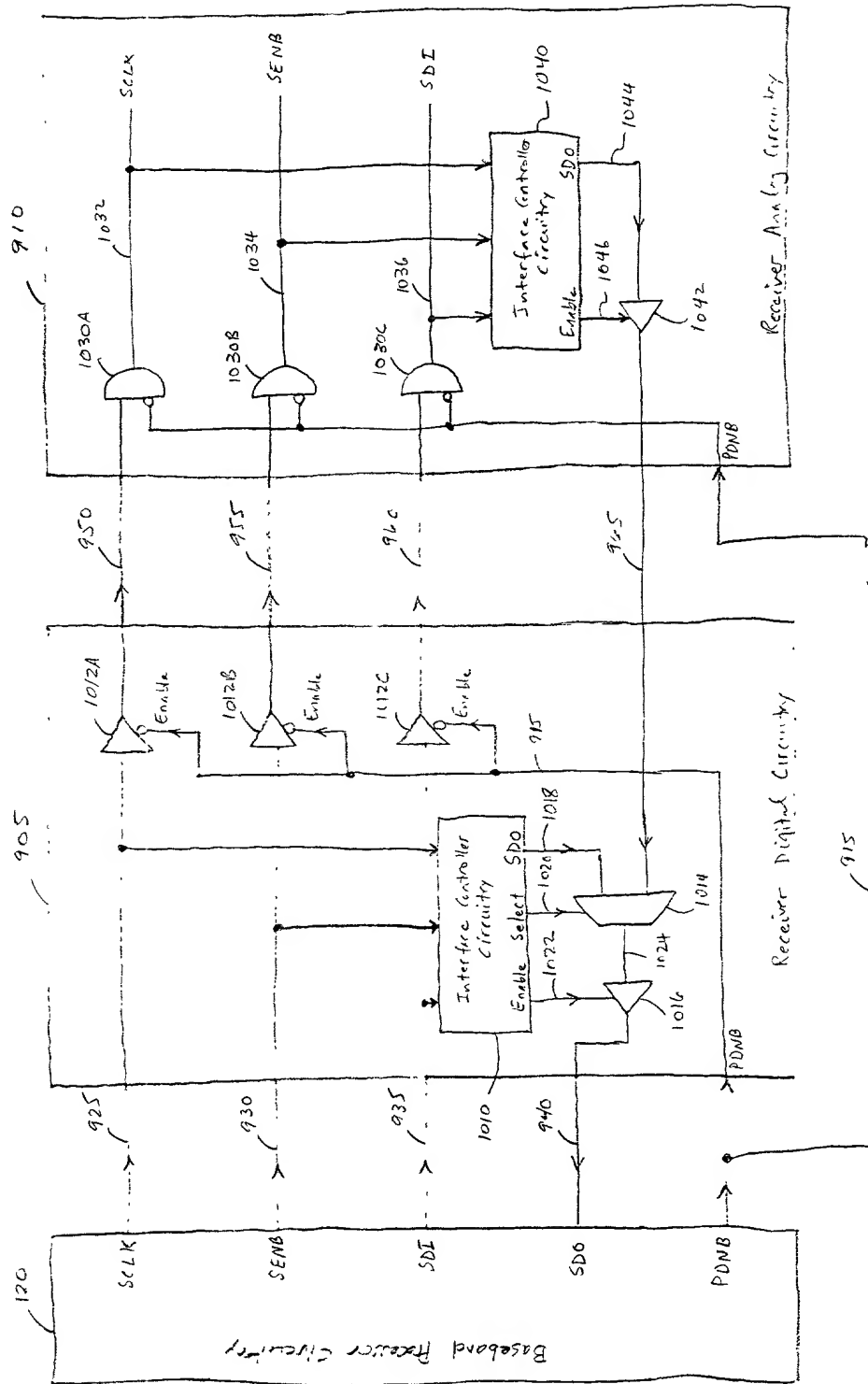


FIG. 10



1100B

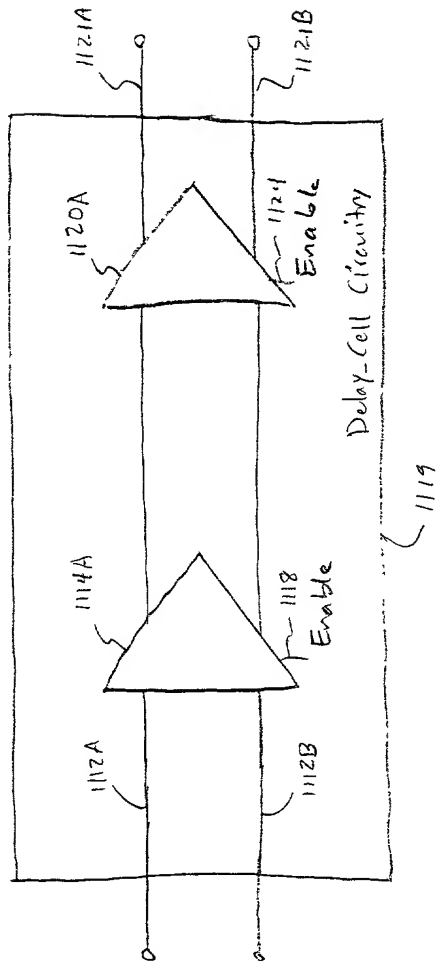


FIG. 11B



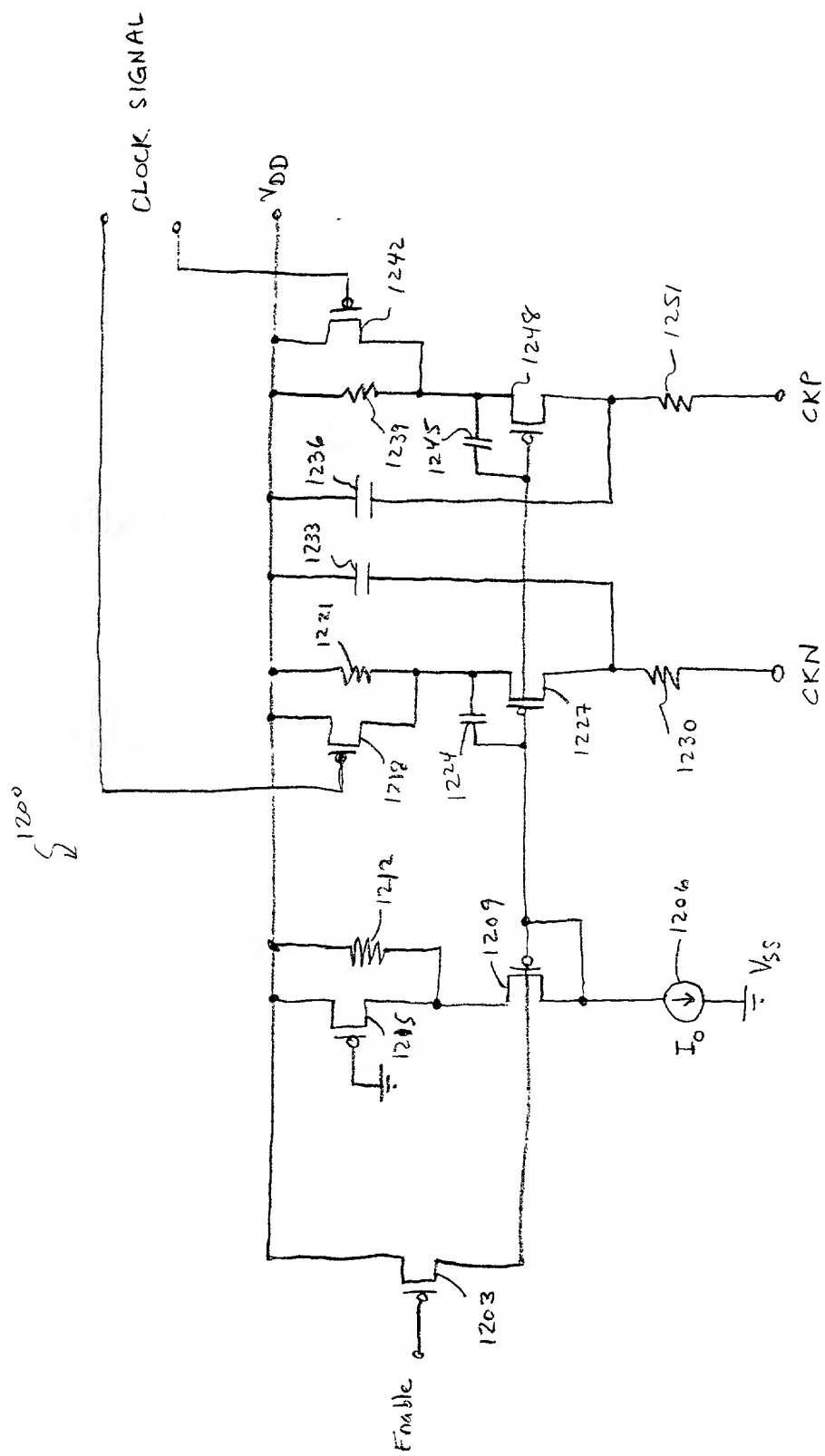


FIG. 12

FIG. 13A

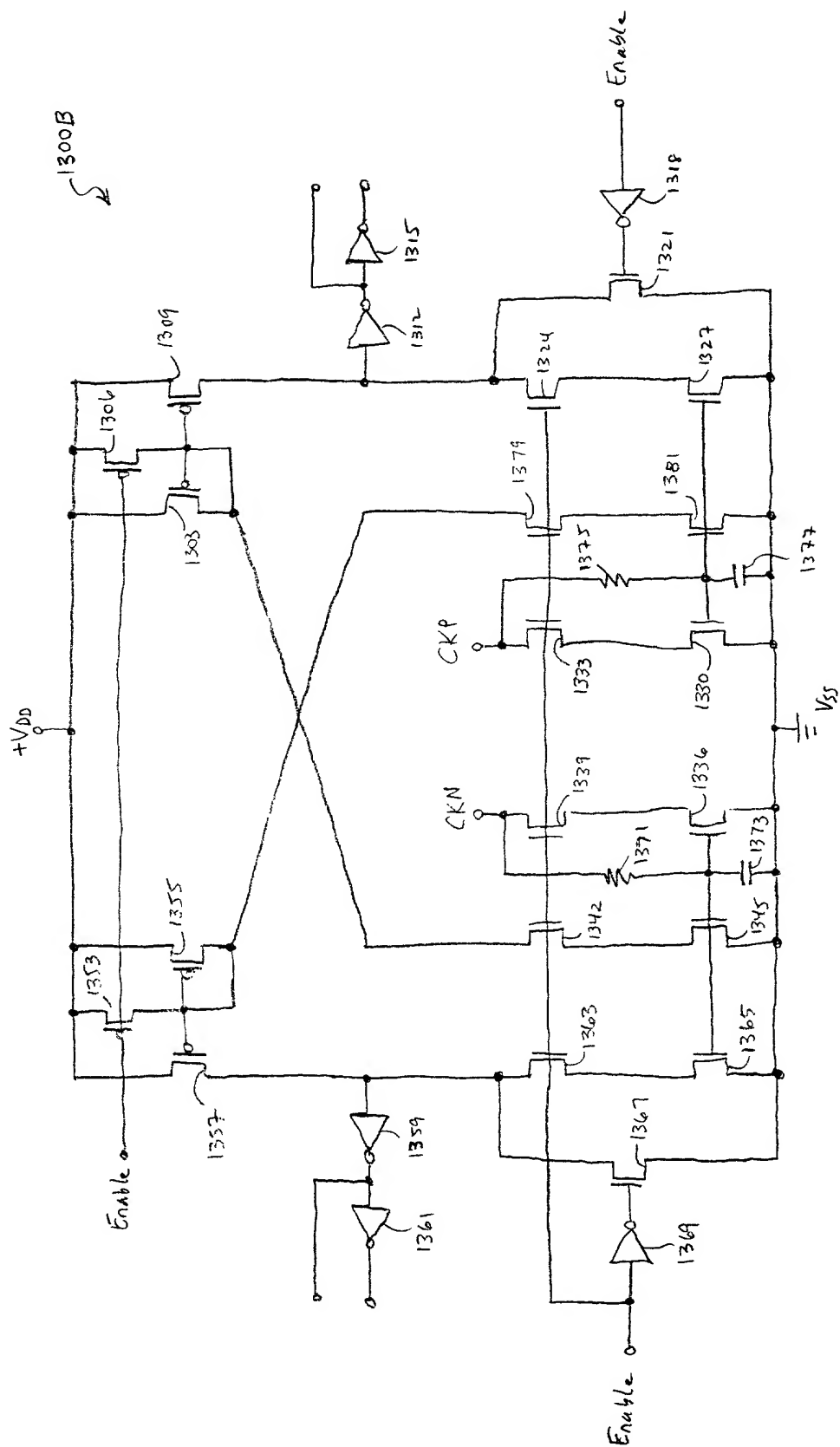


FIG. 13B

1400

1400

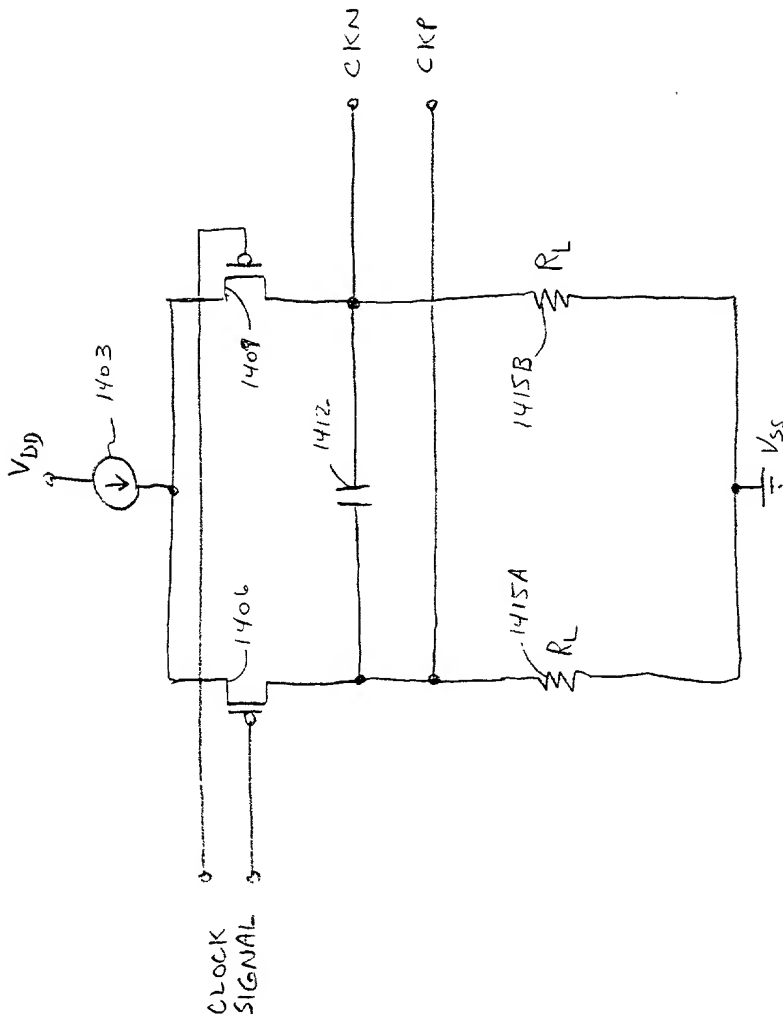


FIG. 14

1500

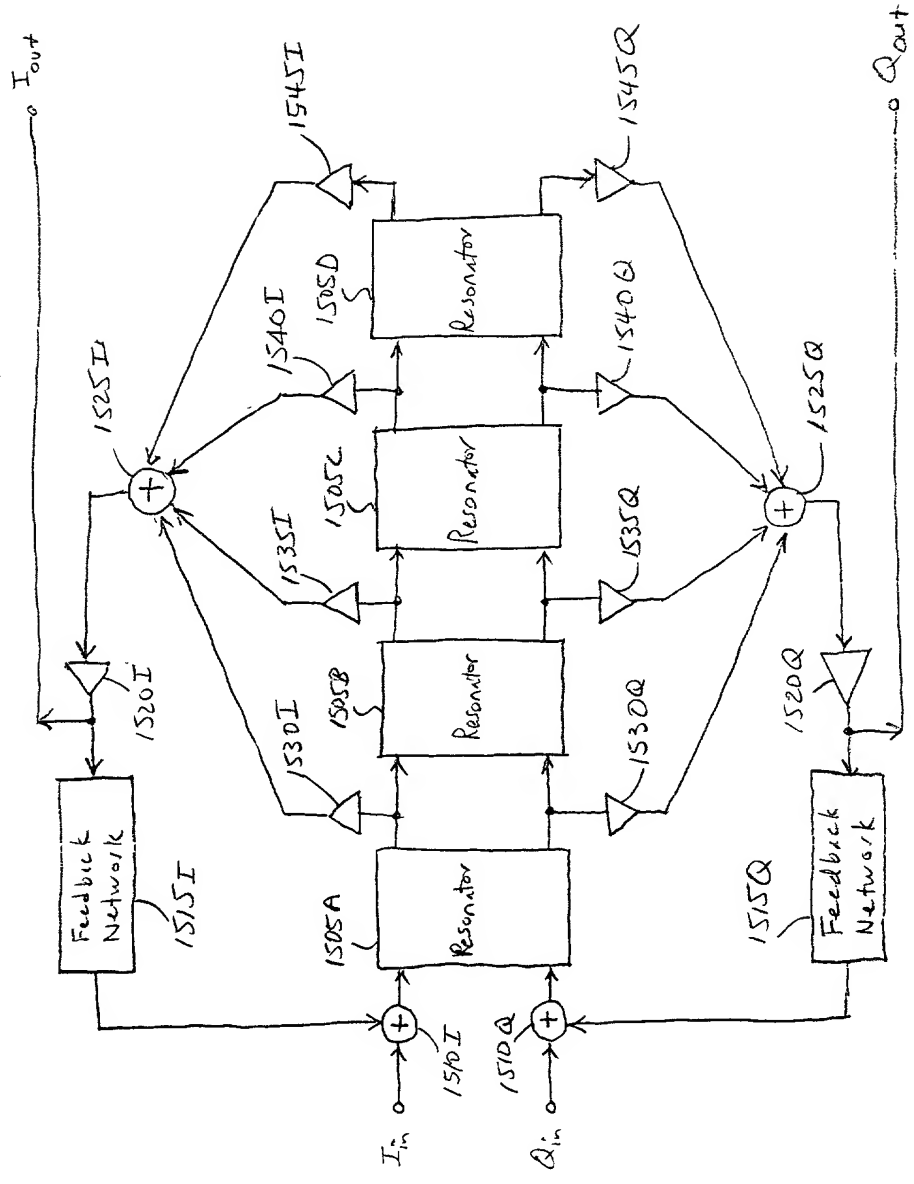


FIG. 15

1600

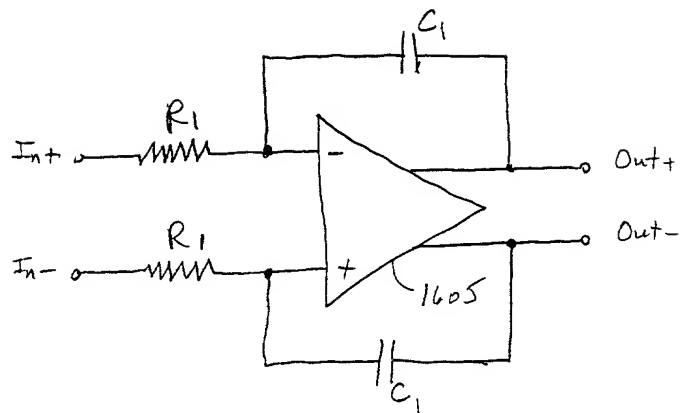


FIG. 16

1700

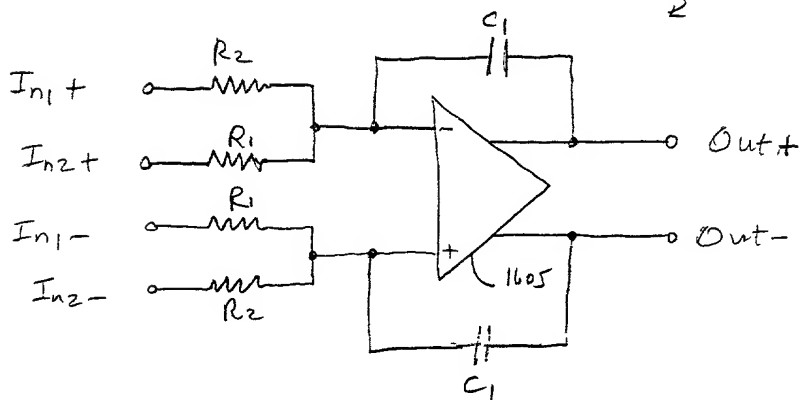


FIG. 17

FIG. 18 is a schematic diagram of a differential amplifier circuit, showing a differential pair of transistors 1830A and 1830B, a common-mode feedback circuit 1820, and a differential output stage 1600.

1800

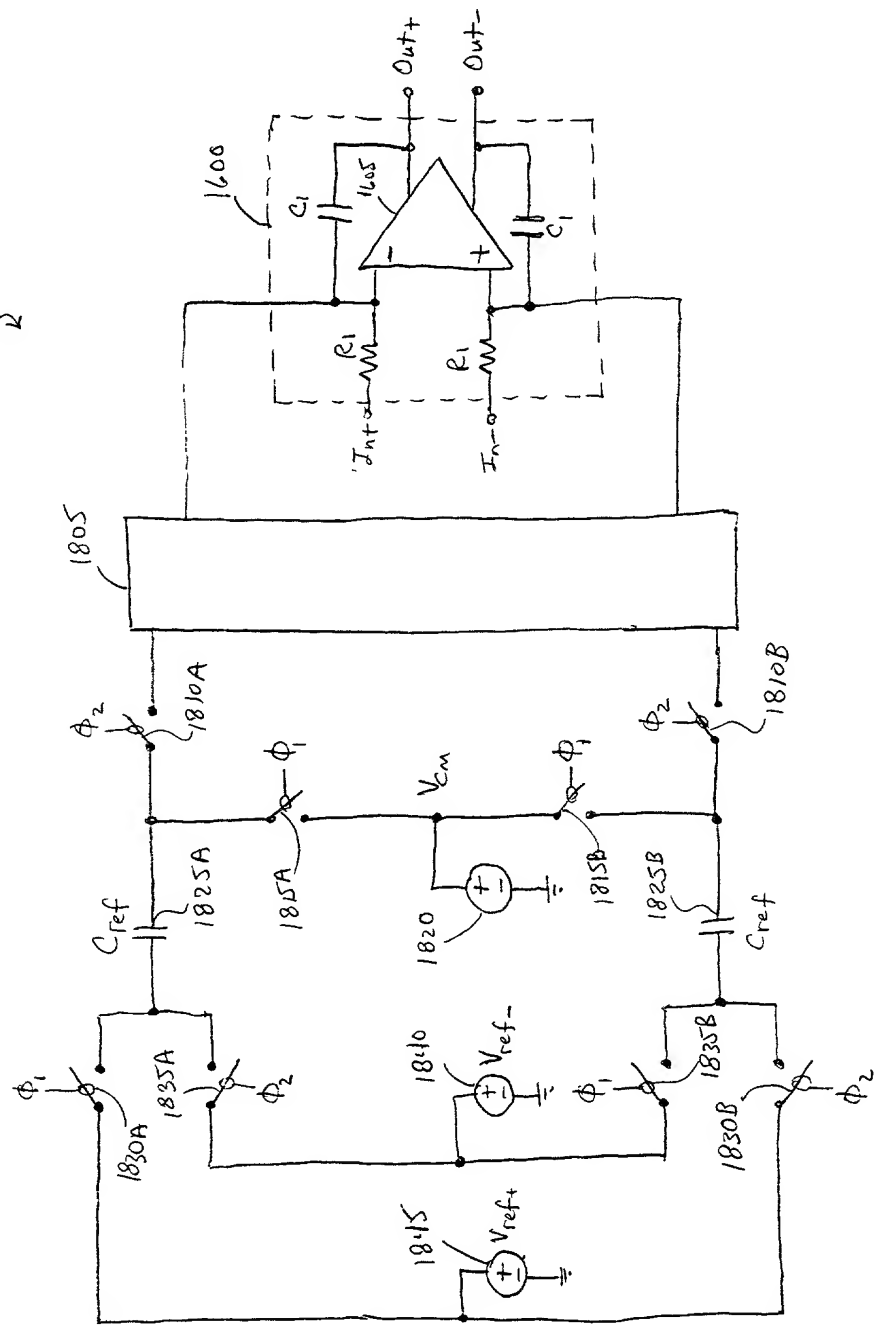


FIG. 18





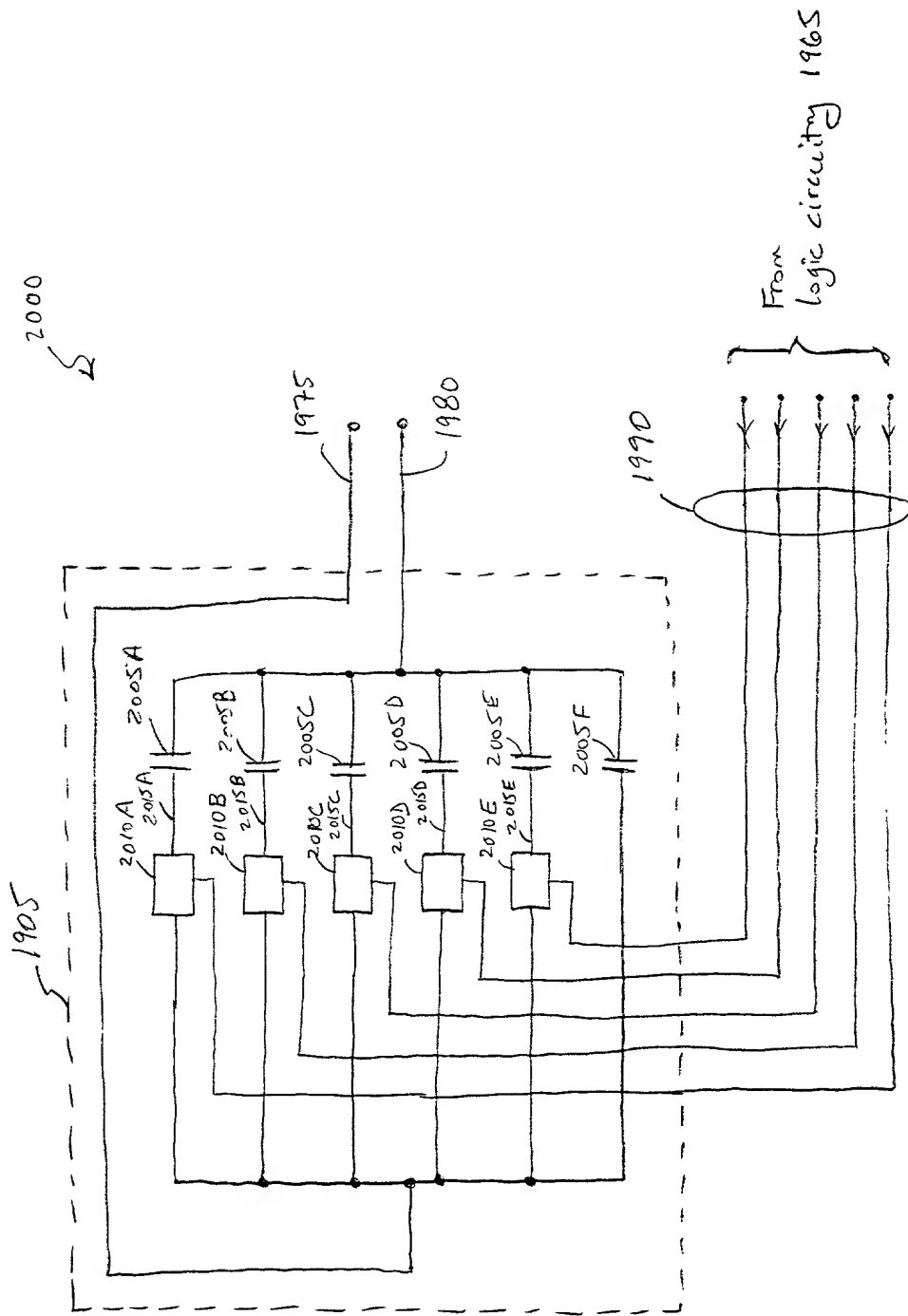


FIG. 20

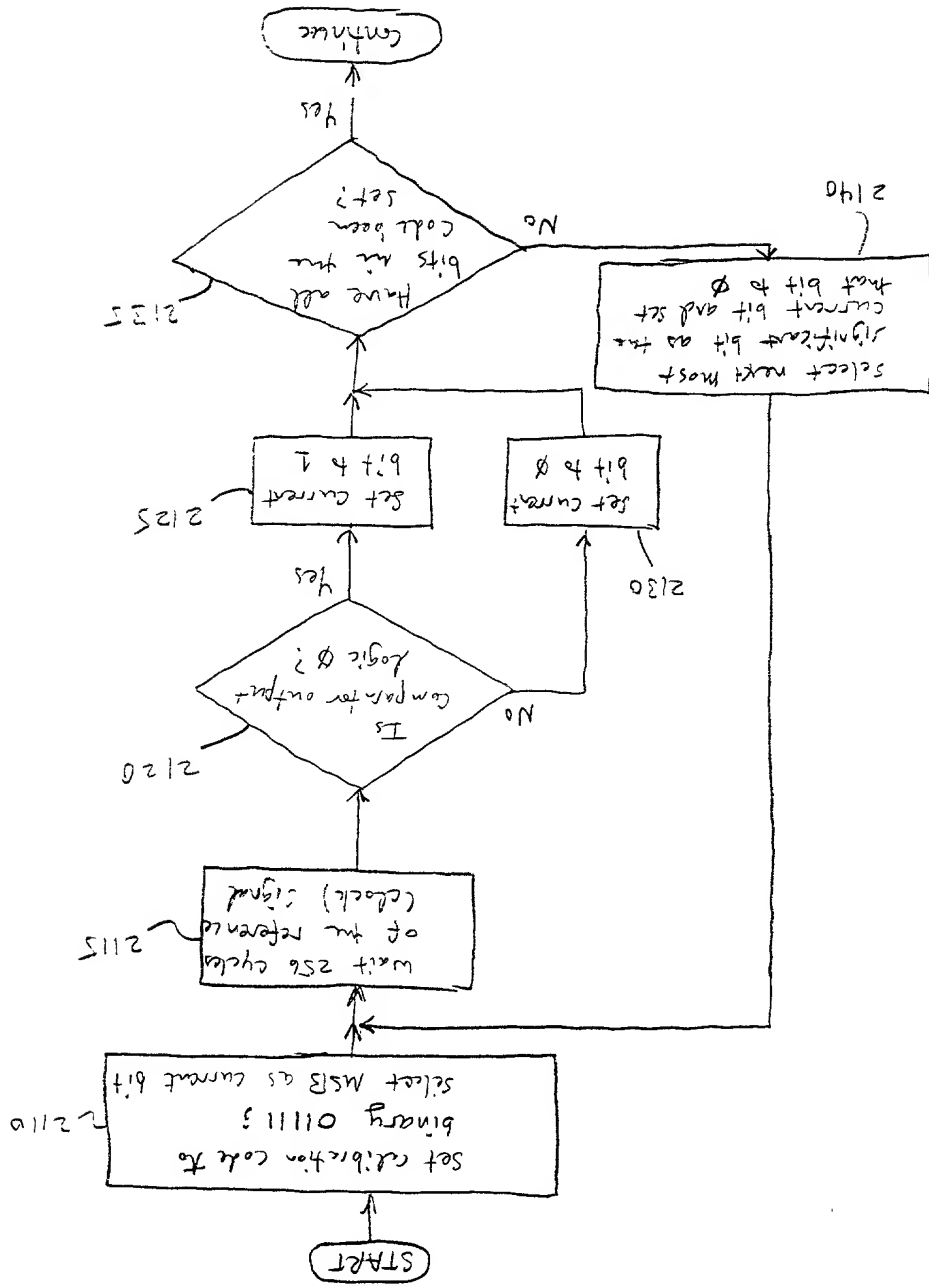


FIG. 21